

MECH VIDYA

Bi-Annual News Letter

2021, Issue 1 (January -June)



VIDYA JYOTHI INSTITUTE OF TECHNOLOGY
An Autonomous Institute
Aziz Nagar Gate, C.B. Post, Hyderabad
<http://vjit.ac.in/mechanical/>
DEPARTMENT OF MECHANICAL ENGINEERING

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Dr. E. Sai Baba Reddy

Director, VJIT

Dr. A. Padmaja

Principal, VJIT



From Correspondent's Desk

I congratulate Dr. G. Sreeram Reddy and his team for the achievement of National Board Of Accreditation (NBA) for a period of 3years. I wish them All The Best for the Future Endeavour.

Dr. P. Rajeshwar Reddy, Correspondent, VJES



From Director Desk

I extend my hearty congratulation to the Mechanical Engineering Department on the successful completion of their Accreditation Process and getting Accredited for 3years.

Dr. E. Sai Baba Reddy, Director VJIT



Message from Principal

I appreciate and congratulate whole heartedly the efforts of the Mechanical Engineering Department for their hard work they put for the Accreditation and subsequent achievement of Accreditation for 3years.

Dr. A Padmaja, Principal VJIT

Overview of the Department

Mechanical Engineering has been on an integration phase with other disciplines of Science and Technology for the past few decades and offers many challenging career opportunities for the students. The Department of Mechanical Engineering in VJIT was established in 1999 and is accredited by NBA in 2018. Going by the technological advances the Department has been actively engaged in transforming the learning systems and creating a sound knowledge base in the minds of the students. Innovations, hands-on-workshops, community projects & industry internships fine tune the students into industry ready.

Program Assessment Committee

Department of Mechanical Engineering has constituted Program Assessment Committee with the following members:

S.No	Name of the Member	Designation	Position
1	Dr. G. Sreeram Reddy	HOD	Chairman
2	Dr. V.V.Satyanarayana	Professor	Convener
3	Dr. L. Madan Ananda Kumar	Professor	Member
4	Dr. V. Phanindra	Professor	Member
5	Mr. K.Rajesh	Associate Professor	Member
6	Mr. P. Sampath Kumar	Associate Professor	Member

Department Advisory Board

Department of Mechanical Engineering has constituted a Departmental Advisory Board with the following members for the academic year:

S.No	Name of the Member	Designation	Position
1	Dr. G. Sreeram Reddy	HOD	Chairman
2	Dr. V.V. Satyanarayana	Professor	Convener & Program Co-Ordinator
3	Dr. B. Ravinder Reddy	Professor	Member
4	Mr. Muralidhar Ekambaram	CEO Adriot Servo-Mechatronics	Member
5	Mr. K. Raghavendra	Parent	Member
6	V. Kumar	Student	Member

Achievement of the Department

- Department of Mechanical Engineering has been **accredited** by **NBA** for 3 years from 01-07-2018 to 30-06-2021. Head of Department and His team earnestly worked for the successful achievement and there services are highly appreciated.
- **Department has been recognized as a “Research Centre” by JNTUH in the year 2019**
- Dr. G. Sreeram Reddy, HOD ME Dept. received grant from AICTE MODROBS, worth of Rs.11.96 lakh to modernize the CAD/CAM laboratory with “**Calibri Mini-3D Scanner**” for Reverse Engineering Applications.
- Dr. Nelly Ravinder Reddy, Professor ME Dept filed a patent on “Natural Fibre composite for automobile components” with patent no 202041029006 A Dated 24/07/2020.

Research Publications

Faculty have published 08 technical papers in peer reviewed Journals with diverse specializations from materials to manufacturing methods

Papers Published by Faculty:

S.no	Name of the faculty	Title	Journal	Indexing
1	Mr. Kotturi Ravi Kumar	Experimental investigation of diesel engine with Neem seed oil and compressed natural gas	International Journal of Ambient Energy	Scopus
2	Dr. BV Reddi & Mr. Shaik Gulam Abul Hasan	The effect of heat treatment on phase changes in magnetite (Fe ₃ O ₄) and hematite (Fe ₂ O ₃) nanoparticles synthesized by Arc-discharged method	Advanced Engineering Science	Scopus
3				
4	Dr. BV Reddi	Investigation on the Morphological Size and physical parameters of magnetic Nanoparticles synthesized using Arc Discharge Method	Advanced Engineering Science	Scopus
5	Mr. Shaik Gulam Abul Hasan			

6	Dr.V. Phanindra Bogu	Elasticity Solutions of Functionally Graded Pressure Vessels: An Analytical and Numerical Study	Journal of The Institution of Engineers	Springer
7	Mr. T pavan Kumar	Mechanical And Water Absorption Characteristics Of Jute/Basalt Reinforced Laminate	International Journal of Current Engineering and Technology	Google Scholar
8	Dr. BV Reddi Mr. Shaik Gulam Abul Hasan	Comparision of ER70S-2 with ER309L in synthesis of magnetic Nanoparticles using Arc Discharge method	International Journal of Current Engineering and Technology	Google Scholar

Student Achievements

Department congratulates Elika Vishal for being qualified in CAT 2020 competitive examination

S.no.	Roll no	Name of the Student	Competitive Exam
1	16911A03J7	Elika Vishal	CAT-2020

Information Bulletin for Students

- ✓ Graduate Aptitude Test in Engineering (GATE) exam, ME paper is scheduled on Feb 14 2021 and the results will be declared between 19 Mar 2021.
- ✓ For the proposed AICTE Sponsored conference on “Adventurous Materials and Advanced Manufacturing “(NAMAM-2021) important dates are finalized. Authors are informed to stick to the dates with the convener of the Conference.

Meet you again in the next Issue of **MECH VIDYA**

Vision of Institute

To develop into a reputed Institution at National and International level in Engineering, Technology and Management by generation and dissemination of knowledge through intellectual, cultural and ethical efforts with human values

To foster Scientific Temper in promoting the World class professional and technical expertise

Mission of the Institution

To create state of art infrastructural facilities for optimization of knowledge acquisition

To nurture the students holistically and make them competent to excel in the global scenario

To promote R&D and Consultancy through strong Industry Institute Interaction to address the societal problems

Vision of Department

To be recognized as a center of excellence in providing Mechanical Engineering education of international standards leading to well qualified engineers who are innovative, immediate contributors to their profession, successful in advanced studies and employable globally.

Mission of Department

To educate, prepare and mentor students to excel as professionals and grow throughout their careers in the field of Mechanical Engineering. This can be accomplished by:

Providing the facilities and environment conducive to a high quality education, strong foundation in the fundamental principles of Mechanical Engineering and preparing them for diverse careers.

Engaging in academic activities, which strengthen the students regional, national and international reputation.

Program Educational Objectives (PEOs)

PEO-I: Successful career in mechanical and allied industries through strong foundation in basic sciences, mathematics and engineering fundamentals.

PEO-II: Ability to update knowledge on dynamically changing industrial practices.

PEO-III: Capability to work in a global environment imbuing team spirit with ethical responsibility.

PEO-IV: Ability to enrich knowledge, communication and leadership skills through perpetual learning with zeal towards research.

Program Specific Outcomes (PSOs)

PSO-1: Analyze and solve problems of thermal and manufacturing by comprehensive design of mechanical engineering components.

PSO-2: Ability to design, develop and implement mechanical engineering solutions keeping in view, sustainability and environmental issues with social responsibility.

An investment in knowledge pays the best interest.

Benjamin Franklin